

April 12, 2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

Subject: Edison Elementary  
188BS16170

Dear Mr. Smith :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 04/04/2016 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 38359 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,  
Brighton Analytical, L.L.C.





**Brighton Analytical, L.L.C.**  
Email: bai-brighton@bbjglobal.net  
2105 Pless Drive  
Brighton, MI 48114  
Phone: 810-229-7575  
Fax: 810-229-8650

PROJECT NAME:

Edison Elementary

PROJECT #:

188BS16170

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

BA PROJECT #:  
38359  
ABBREVIATIONS  
FOR MATRIX  
S = Solid  
L = Liquid  
DW = Drinking H<sub>2</sub>O  
O = Oil  
P = Wipe  
A = Air (Tearable Bag)  
F = Filter  
T = Tube  
M = Misc.

Sample collected by:

David Weather

REQUESTED TURNAROUND: (circle one)  
Rush: 1-3 business days (verify with lab & specify date needed)  
1 Day = 2.5X Cost 2 Day = 2X Cost 3 Day = 1.5X Cost  
Standard: 5 business days

IF RUSH,  
approved by:

Brighton ID #

Sample Description

Date

Time

Container Type & Quantity  
VOA'S (PRES) Y N N/A  
HDPE UNPRESERVED  
HDPE HNO<sub>3</sub>  
HDPE H<sub>2</sub>SO<sub>4</sub>  
HDPE NAOH  
AMBER PRESERVED?  
GLASS, NO PRESERVATIVE  
STERILIZED BACTERIA  
MEOH Preserved Y N

Sample Matrix

LEAD - Primary (P)  
Copper - Primary (P)  
LEAD - FLUSH (F) - Hold  
Copper - FLUSH (F) - Hold

Analysis Requested/Method

PAGE 1 OF 1

COMPANY/MAILING ADDRESS:

ATC Group Services, LLC

46555 Humboldt Dr Ste 190

Nashville TN 37217

ATTN: Robert Smith

PHONE: (248) 669-5440

FAX OR EMAIL:

Robert.Smith@atcassociates.com

Samples received within hold time? yes ☒ no ☐

Temperature of samples °C:

pHs verified in login? yes ☒ no ☐

Headspace/bubbles in VOA's? yes ☐ no ☒ n/a ☒

Sample containers and COC match? yes ☒ no ☐

BILLING ADDRESS (IF REQUIRED):

Same as matrix

Drinking H<sub>2</sub>O:

Fax to LCHD? yes ☐ no ☒

Chlorinated Water Supply? yes ☒ no ☐

AMT: 100

MCL Failure: yes ☒ no ☐

Client Notified (date/time/initials): 4/12/16 14:00  
cc961

Special Instructions: If lead or copper is above detection limits - Analyze Flush sample

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1	David Weather	David Weather	4-14-16	12:32pm	3				
2					4				



**Brighton Analytical LLC**  
2105 Pless Drive  
Brighton, Michigan 48114  
Phone: (810)229-7575 (810)229-8650  
e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 4/1/2016 10:25  
Submit Date/Time: 4/4/2016 12:32  
Report Date: 4/12/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38359**  
BA Sample ID **CC09101**

Project Name: **Edison Elementary**  
Project Number: **188BS16170**  
Sample ID: **1-K-P-Edison Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	250	ug/L	20	1300	EPA 200.8 rev5.4	19:26	04/08/2016
Total Lead (Drinking Water)	51	ug/L	1	15	EPA 200.8 rev5.4	19:26	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

  
4/12/16



**Brighton Analytical LLC**  
2105 Pless Drive  
Brighton, Michigan 48114  
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e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 4/1/2016 10:29  
Submit Date/Time: 4/4/2016 12:32  
Report Date: 4/12/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38359**  
BA Sample ID **CC09103**

Project Name: **Edison Elementary**  
Project Number: **188BS16170**  
Sample ID: **2-PreK-P-Edison PreK-#110**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	30	ug/L	20	1300	EPA 200.8 rev5.4	19:31	04/08/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	19:31	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by 

Date 4/12/16



**Brighton Analytical LLC**  
2105 Pless Drive  
Brighton, Michigan 48114  
Phone: (810)229-7575 (810)229-8650  
e-mail: bai-brighton@sbcglobal.net  
MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 4/1/2016 10:33  
Submit Date/Time: 4/4/2016 12:32  
Report Date: 4/12/2016

ATC Associates  
46555 Humboldt Dr.  
Suite 100  
Novi, MI 48377

BA Project # **38359**  
BA Sample ID **CC09105**

Project Name: **Edison Elementary**  
Project Number: **188BS16170**  
Sample ID: **3-DWF-P-Edison-Hall by #110**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	Not detected	ug/L	20	1300	EPA 200.8 rev5.4	19:35	04/08/2016
Total Lead (Drinking Water)	7	ug/L	1	15	EPA 200.8 rev5.4	19:35	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

  
4/12/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY  
CONTROL

# ICP-MS

## EPA METHOD 200.8/6020

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/8/2016	Standard ID: 033116 H2O	Batch: 4/6/2016 W3
Matrix Spike Lab ID: CC09095	Matrix: Total	Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/L)	Matrix Spike Dup (ug/L)	RPD (%)	Spk Conc (ug/L)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/L)	Method Blk (ug/L)	LCS-Method STD (%)	Ind. Std. SPEX 1&3 (%)
Magnesium	16014	15781	1.5	10000	90.9	88.6	6922	<100	92.2	90.1
Calcium	34432	34111	0.9	10000	92.8	89.6	25151	<100	95.3	93.4
Copper	951	938	1.4	1000	93.7	92.4	14	<1	96.4	96.0
Lead	906	897	1.0	1000	90.4	89.5	2	<1	92.3	91.1

\* Matrix spike precision range +/- 20% RPD

\*\* Matrix spike accuracy range +/- 30% recovery

\*\*\* LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: \_\_\_\_\_